

input Question
embedding

SEQ2SEQ WITH ATTENTION
(TO CAPTURE THE RELATION
BETWEEN WORDS IN
QUESTION AND TOKENS IN
THE CODE (eg: 'copy' in
question and the method
copy()))

Hidden state
vector for each
token (these
are not
softmaxed or
anything ;
concatenate
the hidden
state vectors

Dense Feed Forward; This
learns the labels for the
translation (so, we can
update the loss of this
model to incorporate the
seq2seq loss)

$$L = \alpha * \text{seq2seq_Loss} + \beta * \text{Dense_loss}$$

Sigmoid

Predicted Label
Yes/No